

Practice C

For use with pages 219–224

Show that the number is rational by writing it as a quotient of two integers.

1. 3691

2. -100

3. $-14\frac{7}{9}$

4. $24\frac{8}{15}$

Write the fraction or mixed number as a decimal.

5. $\frac{61}{80}$

6. $-\frac{129}{250}$

7. $-8\frac{13}{45}$

8. $3\frac{29}{60}$

9. $\frac{106}{5}$

10. $-\frac{259}{4}$

11. $5\frac{28}{33}$

12. $-17\frac{39}{120}$

13. $-\frac{83}{9}$

14. $\frac{299}{333}$

15. $-10\frac{111}{1000}$

16. $7\frac{49}{450}$

Write the decimal as a fraction or mixed number.

17. -0.785

18. 1.555

19. $143.\overline{1}$

20. $0.\overline{41}$

21. -0.2525

22. 6.1440

23. $0.03\overline{1}$

24. $-9.8\overline{64}$

Order the numbers from least to greatest.

25. $\frac{8}{3}, \frac{5}{2}, 2.8, 2\frac{1}{10}, -2, \frac{9}{4}$

26. $\frac{11}{40}, 0.\overline{25}, -\frac{1}{10}, \frac{1}{4}, 0.19, 0$

27. $-\frac{25}{4}, -6\frac{7}{8}, -6.34, -\frac{22}{3}, -6, -5\frac{3}{4}$

Solve the equation by writing the fraction as a decimal.

28. $\frac{21}{25}x - 3.9 = 4.5$

29. $7.4 - \frac{9}{50}x = 6.95$

30. $-3.54 = \frac{29}{40}x + 0.81$

31. Find a rational number that is more than $\frac{11}{3}$ and less than 3.7.

32. Find a rational number that is less than -1.2 and more than $-1.\overline{2}$.

33. Using only the digits 1, 8, 6, and 3, create a decimal that is as close as possible to 1. Then use the same four digits to create a fraction as close as possible to 1. Compare the decimal and fraction. Which is closer to 1? Explain.